

## ABSTRACT

A method and apparatus for electronic image processing are described. One embodiment includes a method of resizing an electronic image that includes image data in two dimensions. The method includes memory-to-memory processing with separable x and y processing.

- 5 Processing occurs in one or more memory-to-memory passes. On each pass, processing can be one of: low-pass filtering; low-pass filtering and decimation by two; and resampling. Processing is configurable independently in each dimension. Filters are configured on each pass and in each dimension to low-pass filter or obtain gradients for resampling. A multiplexor selects resampling or low-pass filtering on each pass.

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